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PERSONAL SKIN CARE PRODUCTS CONTAINING DIMETHYL DIALLYL AMMONIUM  
CHLORIDE/ACRYLIC ACID-TYPE POLYMERS

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(56) Prior Art Documents  
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(57) Claim

1. A method for improving feel imparted to skin by a personal skin care product comprising adding to said product an effective amount of a polymer comprising:

a. ~~about~~ 60 to ~~about~~ 99%, by weight of said polymer, of a quaternary diallyl dialkyl ammonium monomer, wherein alkyl groups are independently selected from alkyl groups of 1 to 18 carbon atoms and wherein said quaternary diallyl alkyl ammonium monomer's counterion is selected from the group consisting of bases of acids having an ionization constant greater than  $10^{-13}$ .

b. ~~about~~ 1 to ~~about~~ 40%, by weight of said polymer, of an anionic monomer selected from the group consisting of acrylic acid and

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methacrylic acid; wherein the weight average molecular weight of said polymer ranges from ~~about~~ 50,000 to 10,000,000, as determined by gel permeation chromatography.

8. An improved personal skin care product which comprises:

- a. an active agent;
- b. an anionic surfactant;
- c. a copolymer comprising;
  1. ~~about~~ 60 to ~~about~~ 99%, by weight of said polymer, of a monomer selected from the group consisting of dimethyldiallyl ammonium chloride and diethyldiallyl ammonium chloride; and
  2. ~~about~~ 1 to ~~about~~ 30%, by weight of said polymer, a monomer selected from the group consisting of acrylic acid, and methacrylic acid; wherein said polymer has a weight average molecular weight ranging from ~~about~~ 50,000 to ~~about~~ 10,000,000, as determined by gel permeation chromatography.